IN THE CLAIMS

Please amend the claims to read as follows:

LISTING OF CLAIMS:

1. (Currently Amended) A damping structure comprising:

a member which is rigid and which defines ~~defining~~ an internal cavity;

an aggregate which comprises at least solid bodies in contact and which completely fills said internal cavity;

a rigid plate for closing off with sealing said internal cavity; and

C1 an elastic means which exerts elastic pressure on said rigid plate so as to constrain said aggregate.

2. (Previously Presented) The damping structure as claimed in claim 1, wherein said member is elongate and said internal cavity is formed longitudinally inside said member.

3. (Previously Presented) The damping structure as claimed in claim 1, wherein at least some of said solid bodies are hollow.

4. (Previously Presented) The damping structure as claimed in claim 1, wherein at least some of said solid bodies are compact.

5. (Previously Presented) The damping structure as claimed in claim 1, wherein said aggregate comprises solid bodies made of different materials.

6. (Previously Presented) The damping structure as claimed in claim 1, wherein said aggregate comprises solid bodies of different shapes.

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7. (Previously Presented) The damping structure as claimed in claim 1, wherein said aggregate comprises solid bodies of different sizes.

8. (Withdrawn) The damping structure as claimed in claim 1, characterized in that it additionally comprises at least one internal partition ~~(13)~~ which is arranged inside said internal cavity ~~(2)~~.

9. (Withdrawn) The damping structure as claimed in claim 8, characterized in that said internal partition ~~(13)~~ has a tubular shape.

10. (Withdrawn) The damping structured as claimed in claim 8, characterized in that said internal partition ~~(13)~~ is as least partially solid.

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11. (Withdrawn) The damping structure as claimed in claim 8, characterized in that said internal partition ~~(13)~~ is as least partially pierced.

12. (Previously Presented) The damping structure as claimed in claim 1, wherein said aggregate additionally comprises a viscous liquid filling the spaces between said solid bodies.

13. (Withdrawn) The damping structure as claimed in claim 1, characterized in that it is produced in the form of a pinion.

14. (Withdrawn) A damping structure having an internal cavity ~~(2)~~ and comprising:

an aggregate ~~(8)~~ which comprises at least solid bodies ~~(9)~~ in contact and which completely fills said internal cavity ~~(2)~~; and

a rigid plate ~~(11)~~ for closing off said internal cavity ~~(2)~~, characterized in that it additionally comprises at least one internal partition ~~(13)~~ which is arranged inside said internal cavity ~~(2)~~ and which is at least partially pierced.

15. (Currently Amended) A damping structure having an internal cavity and comprising:

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an aggregate which comprises at least solid bodies in contact and which completely fills said internal cavity;

a rigid plate for closing off with sealing said internal cavity; and

~~The damping structure as claimed in claim 14, further comprising~~

an elastic means which exerts elastic pressure on said rigid plate so as to constrain said aggregate.

16. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said structure ~~(1)~~ is elongate and in

that said internal cavity ~~(2)~~ is formed longitudinally inside said elongate structure ~~(1)~~.

17. (Withdrawn) The damping structure as claimed in claim 14, characterized in that at least some of said solid bodies ~~(9)~~ are hollow.

18. (Withdrawn) The damping structure as claimed in claim 14, characterized in that at least some of said solid bodies ~~(9)~~ are compact.

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19. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9A, 9B)~~ made of different materials.

20. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9C, 9D, 9E, 9F)~~ of different shapes.

21. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9C, 9D, 9E, 9F)~~ of different sizes.

22. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said internal partition ~~(13)~~ has a tubular shape.

23. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said internal partition ~~(13)~~ is at least partially solid.

24. (Withdrawn) The damping structure as claimed in claim 14, characterized in that said aggregate ~~(8)~~ additionally comprises a viscous liquid filling the spaces between said solid bodies ~~(9)~~.

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25. (Withdrawn) The damping structure as claimed in claim 14, characterized in that it is produced in the form of a pinon.

26. (Currently Amended) A damping structure comprising:

a member defining an internal cavity;

an aggregate which comprises at least solid bodies in contact and which completely fills said internal cavity; and

means for closing off <u>with sealing</u> the internal cavity and pressing said aggregate into said internal cavity,

characterized in that it is rigid.

27. (Withdrawn). The damping structure as claimed in claim 26, characterized in that said structure ~~(1)~~ is elongate and in that said internal cavity ~~(2)~~ is formed longitudinally inside said elongate structure ~~(1)~~.

28. (Withdrawn) The damping structure as claimed in claim 26, characterized in that at least some of said solid bodies ~~(9)~~ are hollow.

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29. (Withdrawn) The damping structure as claimed in claim 26, characterized in that at least some of said solid bodies ~~(9)~~ are compact.

30. (Withdrawn) The damping structure as claimed in claim 26, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9A, 9B)~~ made of different materials.

31. (Withdrawn) The damping structure as claimed in claim 26, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9C, 9D, 9E, 9F)~~ of different shapes.

32. (Withdrawn) The damping structure as claimed in claim 26, characterized in that said aggregate ~~(8)~~ comprises solid bodies ~~(9C, 9D, 9E, 9F)~~ of different sizes.

33. (Withdrawn) The damping structure as claimed in claim 26, characterized in that it additionally comprises at least one internal partition ~~(13)~~ which is arranged inside said internal cavity ~~(2)~~.

34. (Withdrawn) The damping structure as claimed in claim 33, characterized in that said internal partition ~~(13)~~ has a tubular shape.

35. (Withdrawn) The damping structure as claimed in claim 32, characterized in that said internal partition ~~(13)~~ is at least partially solid.

36. (Withdrawn) The damping structure as claimed in one of claim 32, characterized in that said internal partition ~~(13)~~ is as least partially pierced.

37. (Withdrawn) The damping structure as claimed in claim 26, characterized in that said aggregate ~~(8)~~ additionally comprises a viscous liquid filling the spaces between said solid bodies ~~(9)~~.

38. (Previously Presented) The damping structure as claimed in claim 26, wherein said means for closing off said internal cavity comprise a rigid plate which is constrained by an elastic element.

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39. (Withdrawn) The damping structure as claimed in claim 26, characterized in that it is produced in the form of a pinion.

40. (Currently Amended) A suspension system for a rotary wing aircraft, particularly a helicopter, gearbox, said suspension system comprising:

a number of suspension bars, wherein at least one of said suspension bars comprises a damping structure comprising:

a member <u>which is rigid and which defines</u> ~~defining~~ an internal cavity;

an aggregate which comprises at least solid bodies in contact and which completely fills said internal cavity; and

a rigid plate for closing off with sealing said internal cavity.

41. (Previously Presented) The suspension system as claimed in claim 40, wherein at least one of said suspension bars comprises a damping structure as specified in claim 1.

42. (Previously Presented) A device for damping the vibrations of a vibrating component mounted on a support, further comprising a damping structure as specified in claim 1, which is arranged between said vibrating component and said support.

43. (Previously Presented) A device for damping the vibrations of a vibrating component comprising at least one hollow element, wherein said hollow element is produced in the form of a damping structure as specified in claim 1.

44. (Currently Amended) A suspension system for a rotary wing aircraft gearbox, said suspension system comprising a number of suspension bars and at least one of said suspension bars ~~comprising a damping structure~~ including:

a member which is rigid and which defines ~~defining~~ an internal cavity;

an aggregate, which comprises at least solid bodies in contact, that completely fills said internal cavity;

a rigid plate for closing off with sealing said internal cavity; and

an elastic device that exerts elastic pressure on said rigid plate so as to constrain said aggregate.

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45. (New) The suspension system of claim 44, wherein said member is elongate and said internal cavity is formed longitudinally inside said member.

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46. (New) The suspension system of claim 44, wherein at least some of said solid bodies are hollow.

47. (New) The suspension system of claim 44, wherein at least some of said solid bodies are compact.

48. (New) The suspension system of claim 44, wherein said aggregate comprises solid bodies made of different materials.

49. (New) The suspension system of claim 44, wherein said aggregate comprises solid bodies of different shapes.

50. (New) The suspension system of claim 44, wherein said aggregate comprises solid bodies of different sizes.

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51. (New) The suspension system of claim 44, wherein said aggregate additionally comprises a viscous liquid filling the spaces between said solid bodies.